Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1- 2. (Cancelled)

3. (Currently Amended) A power supply antenna, comprising:

at least two coils disposed concentrically on a common plane~~and having adjustable radii~~; and

another coil disposed on a plane parallel to the common plane, said another coil is a two turn coil,

wherein the at least two coils ~~comprising~~ comprise

a plurality of conductors bent into a form of an arc, and

power supply portions formed at opposite ends of the respective coils so as to be connected to a high frequency power source, said power supply portions located in different phases on ~~a~~ said common plane~~; and~~

~~another coil disposed on a plane parallel to the common plane~~.

4. (Previously Presented) The power supply antenna of Claim 3, wherein:

spacing between adjacent power supply portions in the respective coils is equal.

5-10. (Cancelled).

11. (Currently Amended) A semiconductor manufacturing apparatus, comprising:

a vessel having an electromagnetic wave transparent window;

a power supply antenna provided outside the vessel and opposed to the electromagnetic wave transparent window; and

a power source for applying a high frequency voltage to the power supply antenna, and being adapted to apply the high frequency voltage from the power source to the power supply antenna to generate an electromagnetic wave, and pass the electromagnetic wave through the electromagnetic wave transparent window into the vessel to generate a plasma, thereby treating a surface of a substrate in the vessel, wherein

the power supply antenna comprises

at least two coils disposed concentrically on a common plane~~and having adjustable radii~~; and

another coil disposed on a plane parallel to the common plane, said another coil is a two turn coil,

wherein the at least two coils ~~comprising~~ comprise

a plurality of conductors each into a form of an arc, and

power supply portions formed at opposite ends of the respective coils so as to be connected to a high frequency power source, said power supply portions located in different phases on ~~a~~ the common plane~~; and~~

~~another coil disposed on a plane parallel to the common plane~~.

12-17. (Cancelled).

18. (New) The power supply antenna of Claim 3, wherein said at least two coils has a first radial tightness and said another coil has a second radial tightness different from said first radial tightness.

19. (New) The power supply antenna of Claim 3, wherein another coil has a diameter different from a total diameter of said at least two coils.

20. (New) The power supply antenna of Claim 3, wherein said at least two coils comprises a third coil, said third coil being a two-turn coil.

21. (New) The semiconductor manufacturing apparatus of Claim 11, wherein said at least two coils has a first radial tightness and said another coil has a second radial tightness different from said first radial tightness.

22. (New) The semiconductor manufacturing apparatus of Claim 11, wherein another coil has a diameter different from a total diameter of said at least two coils.

23. (New) The semiconductor manufacturing apparatus of Claim 11, wherein said at least two coils comprises a third coil, said third coil being a two-turn coil.

24. (New) The semiconductor manufacturing apparatus of Claim 11, wherein:

spacing between adjacent power supply portions in the respective coils is equal.